

REVCAM ANNOUNCES: NEW DIE MANUFACTURING SYSTEM

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Revcam System Reduces Design, Manufacturing and Assembly Time by Up To 75%.

ROMEO, MI – JANUARY 6, 2004 –Revcam LLC today introduced the Revcam Die Manufacturing System, the first turnkey system incorporating CNC programming, tooling, fixtures and VMC to reduce the time and cost of designing, manufacturing and assembling dies and details, while increasing accuracy. The Revcam System eliminates 95% of the setup time preparing blocks for machining, including squaring, machining, chamfering and deburring. The programming software utilizes *Smart Cycles*, allowing a complete die detail to be programmed in as little as 15 seconds.

“Die-makers are getting hammered over deliveries, with the RDM Die Detail Manufacturing System, they can deliver in five to six weeks without being rushed,” said Robert Quinn, president, Revcam LLC. “We put over ten years development work into the system, so our customers will never again miss a delivery date or be concerned with meeting a customer’s price expectations.”

“The RDM system has reduced our overall die time by 30%, we no longer have to detail any of our dies out, once they’re drawn, the software uses icon recognition to eliminate detailing prints, said Jim Boelstler, general manager, Modified Technologies. “Machining is three to four times faster than a manual mill and we’re cutting 20% off grind time. The bottom line is we get 8 to 12 weeks to build a die where we used to get 18 to 20 weeks. Now, we can make the shorter delivery dates.”

Revcam dramatically reduces die detail manufacturing by automating programming and using *Smart Cycle* (best practices) in machining operations, which increases accuracy, while reducing grinding and assembly time. Automatic feature recognition, which considers the top and bottom of the die detail (not just the top or bottom face), automatically matches *Smart Cycle* and other machining routines to features on the top and bottom faces of the block. By integrating all the *Smart Cycles* together in a unique way, Revcam allows dies to be programmed and machined much faster, with higher accuracy, less operator intervention and fewer setups than other systems. For example, the program prompts the machinist to reposition the block for machining on the other face, reducing time and scrap blocks.

Smart Cycles include *Smart Drilling*, which doubles the effective length of drills, enabling a wider range of block sizes to be machined, and *Automatic Squaring* and *Chamfering* cycles intelligently select appropriate tools for each task. Other *Smart Cycles* include Automatic Feature Recognition, Automatic Computer Controlled Positive Stop and Automatic Feed, Speed, Depth of Cut and Chip Thinning Algorithms.

Because of high accuracy (up to +/-0.0002" inch), less grind stock is required, reducing grind time and assembly time is reduced because die details fit in the shoe without trial and error.

The Revcam System is a turnkey system that includes the programming software and library installed on a personal computer; and setup of tooling package and modification of fixtures on a Fadal VMC. The customer supplies a Fadal VMC, specified tooling package with approximately 90 tools and specified fixtures.

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About Revcam LLC

The die manufacturing system was originally developed by RCM Corporation, which has manufactured dies used in industry for over 10 years. The basics of the automated system were developed while working to improve its delivery time and accuracy, as well as reduce costs. The die detail manufacturing system has been commercialized by Revcam LLC and is being marketed under the name Revcam Die Manufacturing System to die makers with a need to reduce costs and improve efficiency, accuracy and delivery time.